



6000VA



# SOLAR INVERTER

- Maximum PV input current 27A
- Dual outputs for smart load management
- Touchable button with 4.3" colored LCD
- Built-in WiFi for mobile monitoring (APP is available)
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Reserved communication port for BMS
- Parallel operation up to 9 units



## Solar Inverter Specifications

<b>MODEL</b>	<b>AXPERT MKS IV 6KW TWIN (OFF GRID)</b>
<b>RATED OUTPUT POWER</b>	6000W
<b>PV INPUT (DC)</b>	
Max. PV Power	7000W
Max. PV Array Open Circuit Voltage	500 VDC
PV Input Voltage Range	120 VDC~500 VDC
MPPT Range @ Operating Voltage	120 VDC~430 VDC
Max. PV Array Short Circuit Current	27A
Number of MPP Tracker	1
<b>GRID INPUT</b>	
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing) < 10ms (For UPS)
Transfer Time	< 20ms (For Home Appliances) < 50ms (For parallel operation)
Rating of AC Transfer Relay	40A
<b>BATTERY MODE OUTPUT (AC)</b>	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure Sine Wave
Efficiency (DC to AC)	93%
<b>BATTERY &amp; CHARGER</b>	
Nominal DC Voltage	48 VDC
Maximum Charging Current (from Grid)	120A
Maximum Charging Current (from PV)	120A
Maximum Charging Current	120A
<b>GENERAL</b>	
Dimension, D X W X H (mm)	140 x 295 x 468
Net Weight (kgs)	12
<b>INTERFACE</b>	
Parallel-able	Yes
External Safety Box (Optional)	Yes
Communication	RS232/Dry-Contact/WiFi
<b>ENVIRONMENT</b>	
Humidity	0 ~ 90% RH (No condensing)
Operating Temperature	-10°C to 50°C